

AwMini Portable Water Activity Meter

Designed for quality control in food, pharmaceuticals, cosmetics, and other industries, it combines fast measurement, smart connectivity, and durable portability. Compact and precise, it is a reliable partner for daily testing, research, and procurement.

CE CERTIFIED

ROHS CERTIFIED

CCC CERTIFIED



Product Overview

AwMini uses advanced sensor technology to complete water activity measurement in as little as 3 minutes, with a typical test time of just 5 minutes. The 1.75-inch AMOLED touchscreen, combined with Bluetooth and WiFi capabilities, makes data management easier and more efficient than ever.

5mins

Typical Measurement Time

Fast mode for efficient output

±0.02

Measurement Accuracy (aw)

Under 10~30°C conditions

12

Supported Languages

Globalized user interface

1000

Data Storage Sets

Local high-capacity storage



Fast Measurement

Results in as little as 3 minutes, supports the national standard GB 5009.238-2016 normal mode



Bluetooth Connection

Connect to the mobile app and view test data in real time



WiFi Cloud

Upload data to the cloud and support remote OTA updates



Built-in Lithium Battery

Type-C charging, portable and durable, ready to use anytime

Refined Design · Exceptional Details

AwMini achieves professional-grade measurement performance in a compact $\phi 51 \times 51$ mm body, with every detail carefully designed to balance aesthetics and practicality.



Compact and Portable

$\phi 51 \times 51$ mm, weighing only 208g, it fits easily into a carrying case for effortless portability, making it ideal for on-site inspection and mobile laboratories.



User-Friendly Operation

One-touch power button, TF card data output interface, and heat dissipation vents ensure long-term stable operation with intuitive, simple use.



304 Stainless Steel Base

Food-grade 304 stainless steel is corrosion-resistant, easy to clean, and compliant with hygiene standards, making it suitable for food and pharmaceutical testing environments.



Anti-Slip Base Pad

Non-slip silicone pad design keeps the unit stable on laboratory benches, effectively preventing movement and ensuring reliable measurement.

Smart Connectivity · Worry-Free Data

AwMini features dual-mode Bluetooth and WiFi communication modules, paired with a dedicated mobile app to enable a fully digital workflow from on-site measurement to cloud management.



Bluetooth Connection to Mobile App

Quickly pair via Bluetooth to sync test data in real time to the mobile app, with support for custom test name entry to make categorization easier.



WiFi Cloud Upload

After connecting to WiFi, data is automatically uploaded to the cloud server, allowing managers to view historical records and statistical reports anytime, anywhere.



OTA Remote Upgrade

Supports OTA firmware updates online, so you can access the latest features and performance optimizations without returning the device to the factory.



TF Card Data Export

Test data can be exported to a TF card with one touch for offline backup and integration with third-party systems, offering strong compatibility and secure data protection.

1.75" AMOLED Touchscreen

High-definition color display, clearly visible in sunlight, with responsive touch and smooth operation.

Type-C Charging Port

Standard 5V/500mA charging, with the battery level displayed on the main screen in real time for convenient charging and strong compatibility.

12 Language Interface

Chinese, English, French, Spanish, and more, meeting global usage needs.

Technical Specifications

AwMini is designed and manufactured in strict compliance with relevant international and domestic standards. All technical indicators meet industry-leading levels, ensuring the accuracy and reliability of measurement data.

Device Type	Water Activity (aw) Meter	Measurement Range	0 ... 1.000 aw
Measurement Accuracy	±0.02 aw (10~30°C) ±0.2°C	Display Resolution	0.001 aw
Temperature Range	-10 ... 50°C	Operating Conditions	-10 ... 40°C
Housing Dimensions	φ51 × 51 mm	Weight	208 g
Housing Material	Aluminum Alloy + 304 Stainless Steel + POM	Power Supply	Built-in Rechargeable Lithium Battery / Type-C 5V
Charging Specification	5V / 500mA (Type-C)	Long-Term Stability	<0.0025 aw/year
Calibration Method	Single-point Calibration / Two-point Calibration	Recommended Maintenance	Annual Calibration
Data Storage	1,000 sets (including name, time, activity, temperature, mode)	Certification	CE, ROHS, CCC
Communication Interface	Bluetooth + WiFi	Measurement Mode	Fast Mode (as fast as 3 minutes) / Standard Mode (GB 5009.238-2016)



Food Industry

Baking, meat products, dairy products, snack foods, and shelf-life prediction



Pharmaceutical Industry

Water activity quality control for APIs, tablets, capsules, and more



Cosmetics Industry

Water activity control for skincare products, makeup, and personal care items



Scientific Testing

Essential instrument for universities, research institutes, and third-party testing laboratories

Ordering Information

Wisdom Shanghai Instrument Co., Ltd. provides you with a complete AwMini product solution. The standard package includes all accessories and is ready to use out of the box.

Standard Configuration List

- AwMini × 1
- Measurement Cups × 3
- USB Cable × 1
- Portable Storage Case × 1
- User Manual × 1
- Mobile App (Free Download)

ORDER NO.: 1100

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